

Canterbury

District Health Board

Te Poari Hauora o Waitaha

CORPORATE OFFICE

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9 April 2018

[REDACTED]

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RE Official Information Act request CDHB 9815

I refer to your email dated 14 March 2018 requesting the following information under the Official Information Act from Canterbury DHB. I note question 1 of your request was clarified on 16 March 2018, as below.

1. All and any reports on hospital beds for Christchurch Hospital

- **Clarified as:** The report requested was referred to in the September HRPG minutes and is concerning modelling of bed numbers for the Christchurch Campus.

Canterbury DHB does not hold this information and are therefore declining a response to this question under 18(g) of the Official Information Act.

2. All and any reports on population forecasts for Canterbury DHB area

Please find attached as **Appendix 1** the Canterbury DHB Population Projections for 2012 (**Table two**) and 2016 (**Table one**). **Table three** shows the Canterbury DHB Population Projections historically.

The 2016 Population Projections is the one that has been used in all the demand modelling used in the current Indicative Business Case (IBC) process. There is an update for 2017, however we did not receive this until February 2018. If there is to be a review for a future Detailed Business Case (DBC) then the latest update will be used in that model.

I trust that this satisfies your interest in this matter.

If you disagree with our decision to withhold information you may, under section 28(3) of the Official Information Act, seek an investigation and review of our decision from the Ombudsman.

Please note that this response, or an edited version of this response, may be published on the Canterbury DHB website.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Carolyn Gullery', with a long horizontal flourish extending to the right.

Carolyn Gullery
General Manager
Planning, Funding & Decision Support

Table one: Canterbury DHB Population Projections, 2016 update

Sex	Age_Group2	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
Female	00-04	15,700	15,710	15,750	15,830	15,970	16,200	16,430	16,590	16,770	17,010	17,180	17,260	17,320	17,360	17,370	17,360	17,300	17,220
	05-09	15,570	16,120	16,770	17,280	17,470	17,480	17,460	17,400	17,310	17,240	17,300	17,440	17,530	17,680	17,920	18,100	18,200	18,260
	10-14	15,340	15,350	15,380	15,600	16,100	16,670	17,260	17,830	18,200	18,250	18,140	18,050	17,950	17,840	17,770	17,830	17,970	18,060
	15-19	16,500	17,010	17,380	17,510	17,530	17,570	17,560	17,500	17,570	17,880	18,310	18,800	19,340	19,710	19,770	19,690	19,610	19,500
	20-24	17,400	17,760	18,140	18,670	19,120	19,440	19,630	19,580	19,270	18,920	18,700	18,510	18,360	18,350	18,650	19,090	19,560	20,130
	25-29	15,710	16,780	17,770	18,570	19,100	19,330	19,250	19,180	19,200	19,130	18,950	18,720	18,390	17,910	17,470	17,220	17,000	16,840
	30-34	15,480	15,840	16,340	17,070	17,910	18,770	19,680	20,460	20,930	21,120	21,050	20,760	20,510	20,390	20,200	19,930	19,660	19,320
	35-39	16,100	16,030	16,170	16,470	16,810	17,200	17,520	17,910	18,440	19,070	19,740	20,490	21,150	21,570	21,740	21,670	21,390	21,160
	40-44	19,170	18,920	18,500	17,970	17,530	17,300	17,250	17,300	17,430	17,580	17,810	18,030	18,360	18,880	19,500	20,160	20,910	21,570
	45-49	18,610	18,740	19,110	19,530	19,860	19,900	19,690	19,200	18,500	17,890	17,520	17,370	17,380	17,510	17,700	17,960	18,180	18,500
	50-54	18,700	18,930	19,040	19,060	19,080	19,170	19,380	19,720	20,040	20,180	20,100	19,800	19,300	18,640	18,050	17,700	17,560	17,570
	55-59	16,410	16,880	17,390	18,000	18,590	19,060	19,340	19,420	19,310	19,210	19,180	19,330	19,640	19,950	20,160	20,110	19,860	19,350
	60-64	14,420	14,690	15,090	15,650	16,210	16,750	17,240	17,700	18,170	18,630	18,980	19,210	19,270	19,180	19,100	19,100	19,250	19,550
	65-69	12,460	13,140	13,690	14,000	14,210	14,510	14,820	15,210	15,660	16,100	16,540	16,970	17,390	17,880	18,380	18,740	19,010	19,070
	70-74	9,370	9,630	9,950	10,530	11,390	12,240	12,960	13,490	13,710	13,850	14,090	14,360	14,730	15,210	15,660	16,110	16,540	16,960
	75-79	7,090	7,390	7,800	8,250	8,590	8,870	9,160	9,470	9,990	10,770	11,550	12,210	12,720	12,960	13,110	13,380	13,660	14,040
	80-84	5,790	5,690	5,650	5,780	5,950	6,170	6,480	6,880	7,300	7,570	7,780	8,030	8,280	8,770	9,560	10,310	10,950	11,430
85+	6,180	6,380	6,640	6,830	6,950	7,050	7,150	7,330	7,500	7,660	7,830	8,120	8,560	9,030	9,350	9,600	9,950	10,440	
Female Total		256,000	260,990	266,560	272,600	278,370	283,680	288,260	292,170	295,300	298,060	300,750	303,460	306,180	308,820	311,460	314,060	316,560	318,970
Male	00-04	16,450	16,380	16,510	16,710	16,820	17,020	17,280	17,450	17,640	17,880	18,070	18,170	18,230	18,270	18,290	18,260	18,210	18,120
	05-09	16,370	16,920	17,490	17,840	18,010	18,030	17,950	17,980	18,010	17,920	17,930	18,070	18,170	18,340	18,600	18,790	18,890	18,950
	10-14	15,920	15,810	15,780	16,140	16,790	17,410	18,010	18,510	18,720	18,730	18,640	18,490	18,470	18,480	18,390	18,400	18,540	18,650
	15-19	18,200	18,620	18,840	18,830	18,710	18,640	18,530	18,430	18,610	19,060	19,540	20,030	20,490	20,690	20,730	20,660	20,520	20,490
	20-24	20,500	21,530	22,280	22,830	23,220	23,340	23,220	22,850	22,260	21,670	21,270	20,920	20,650	20,730	21,160	21,600	22,100	22,580
	25-29	16,970	18,650	20,400	21,900	23,110	24,000	24,560	24,760	24,710	24,440	23,930	23,310	22,590	21,760	21,060	20,580	20,190	19,920
	30-34	15,310	16,000	16,770	17,810	18,960	20,230	21,690	23,120	24,270	25,100	25,690	26,000	26,010	25,760	25,330	24,690	24,040	23,330
	35-39	15,390	15,430	15,690	16,060	16,630	17,260	17,790	18,390	19,160	20,050	21,080	22,350	23,650	24,730	25,550	26,120	26,410	26,410
	40-44	17,870	17,580	17,300	17,040	16,860	16,730	16,740	16,880	17,030	17,380	17,820	18,230	18,740	19,510	20,360	21,370	22,630	23,920
	45-49	18,050	18,290	18,500	18,760	18,860	18,690	18,380	18,010	17,580	17,210	16,940	16,830	16,910	17,040	17,420	17,890	18,310	18,820
	50-54	18,230	18,290	18,280	18,220	18,310	18,610	18,900	19,080	19,210	19,130	18,830	18,450	18,050	17,640	17,290	17,020	16,930	17,010
	55-59	16,000	16,520	17,030	17,580	18,130	18,470	18,570	18,550	18,380	18,320	18,500	18,730	18,880	19,010	18,990	18,720	18,360	17,980
	60-64	14,040	14,200	14,560	15,110	15,580	16,080	16,640	17,140	17,580	17,990	18,240	18,290	18,250	18,110	18,090	18,280	18,520	18,670
	65-69	11,920	12,570	13,170	13,520	13,690	13,880	14,090	14,440	14,890	15,270	15,680	16,170	16,620	17,060	17,520	17,790	17,880	17,860
	70-74	8,580	8,900	9,230	9,720	10,540	11,390	12,090	12,640	12,910	13,000	13,130	13,310	13,660	14,140	14,520	14,920	15,400	15,840
	75-79	5,980	6,200	6,590	7,100	7,440	7,690	8,020	8,320	8,770	9,470	10,270	10,910	11,430	11,700	11,810	11,970	12,170	12,520
	80-84	4,440	4,460	4,460	4,490	4,620	4,800	5,020	5,380	5,810	6,090	6,260	6,530	6,770	7,150	7,850	8,570	9,150	9,650
85+	3,500	3,660	3,860	4,040	4,180	4,290	4,420	4,530	4,620	4,750	4,890	5,110	5,430	5,840	6,090	6,260	6,540	6,890	
Male Total		253,720	260,010	266,740	273,700	280,460	286,560	291,900	296,460	300,160	303,460	306,710	309,900	313,000	315,960	319,050	321,890	324,790	327,610
Grand Total		509,720	521,000	533,300	546,300	558,830	570,240	580,160	588,630	595,460	601,520	607,460	613,360	619,180	624,780	630,510	635,950	641,350	646,580

Reference as: "Projections produced by Statistics New Zealand according to assumptions specified by the Ministry of Health, 2016 Update"

Table two: Canterbury DHB Population Projections, 2012 Update

sex	age_group2	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Female	00-04	15,650	15,420	15,270	15,105	14,980	15,015	15,080	15,075	15,090	15,085	15,085	15,125	15,175	15,220	15,260
	05-09	14,555	14,660	14,890	15,175	15,455	15,470	15,380	15,315	15,210	15,135	15,200	15,270	15,255	15,260	15,265
	10-14	14,875	14,745	14,715	14,690	14,605	14,615	14,800	15,060	15,385	15,695	15,730	15,660	15,600	15,480	15,395
	15-19	16,745	16,515	16,325	16,200	16,175	16,190	16,150	16,120	16,070	15,955	15,945	16,125	16,375	16,690	16,995
	20-24	18,005	18,160	18,305	18,220	18,055	17,925	17,740	17,525	17,360	17,300	17,295	17,240	17,200	17,150	17,020
	25-29	14,550	14,635	14,825	15,210	15,685	16,110	16,515	16,815	16,830	16,700	16,575	16,400	16,185	16,025	15,970
	30-34	15,250	14,960	14,900	14,915	14,970	15,125	15,325	15,595	16,080	16,680	17,185	17,615	17,920	17,920	17,780
	35-39	17,215	16,605	16,180	15,885	15,700	15,525	15,360	15,350	15,395	15,445	15,600	15,820	16,095	16,575	17,165
	40-44	19,055	18,960	18,760	18,450	17,985	17,405	16,880	16,480	16,210	16,045	15,895	15,740	15,735	15,785	15,830
	45-49	19,075	18,905	18,850	18,860	19,050	19,225	19,215	19,030	18,715	18,235	17,650	17,135	16,740	16,470	16,300
	50-54	18,170	18,580	18,940	19,210	19,275	19,150	19,040	18,985	18,985	19,155	19,330	19,330	19,140	18,825	18,345
	55-59	16,025	16,400	16,855	17,320	17,755	18,255	18,735	19,095	19,355	19,395	19,260	19,165	19,115	19,115	19,285
	60-64	14,705	14,750	14,970	15,205	15,570	16,060	16,495	16,940	17,385	17,800	18,295	18,790	19,155	19,420	19,465
	65-69	11,350	12,215	13,100	13,860	14,440	14,665	14,775	15,010	15,240	15,585	16,070	16,505	16,955	17,405	17,820
	70-74	9,375	9,670	9,930	10,215	10,535	11,090	11,955	12,795	13,525	14,095	14,320	14,450	14,705	14,945	15,285
	75-79	7,240	7,335	7,565	7,940	8,395	8,860	9,200	9,470	9,740	10,000	10,490	11,305	12,105	12,810	13,375
	80-84	6,410	6,410	6,385	6,280	6,200	6,250	6,345	6,540	6,880	7,320	7,785	8,150	8,420	8,655	8,870
85+	6,730	6,865	7,010	7,245	7,520	7,700	7,805	7,870	7,920	8,020	8,165	8,270	8,435	8,760	9,225	
Female Total		254,980	255,790	257,775	259,985	262,350	264,635	266,795	269,070	271,375	273,645	275,875	278,095	280,310	282,510	284,650
Male	00-04	16,475	16,215	16,050	15,855	15,715	15,765	15,845	15,845	15,860	15,865	15,880	15,920	15,965	16,010	16,055
	05-09	15,120	15,310	15,590	15,935	16,220	16,215	16,095	16,020	15,895	15,815	15,900	15,980	15,975	15,985	15,980
	10-14	15,475	15,295	15,255	15,160	15,070	15,215	15,500	15,820	16,195	16,510	16,535	16,430	16,345	16,210	16,120
	15-19	17,860	17,485	17,220	17,085	17,055	16,960	16,845	16,800	16,690	16,570	16,705	16,995	17,315	17,690	18,000
	20-24	20,580	20,810	20,970	20,955	20,780	20,470	20,145	19,875	19,720	19,650	19,525	19,415	19,375	19,250	19,130
	25-29	16,145	16,530	16,970	17,575	18,240	18,830	19,270	19,540	19,580	19,420	19,120	18,810	18,525	18,360	18,285
	30-34	14,415	14,545	14,870	15,210	15,675	16,230	16,685	17,165	17,845	18,590	19,230	19,695	19,965	19,995	19,825
	35-39	15,645	15,125	14,815	14,645	14,575	14,605	14,855	15,225	15,595	16,055	16,590	17,050	17,535	18,210	18,955
	40-44	17,965	17,770	17,395	16,925	16,380	15,765	15,285	14,975	14,815	14,765	14,815	15,070	15,435	15,795	16,245
	45-49	17,920	17,745	17,800	17,865	17,955	18,045	17,920	17,535	17,030	16,440	15,810	15,335	15,030	14,880	14,835
	50-54	17,555	17,910	18,120	18,195	18,085	17,840	17,705	17,740	17,775	17,835	17,915	17,795	17,420	16,920	16,335
	55-59	15,380	15,660	16,095	16,590	17,045	17,510	17,915	18,095	18,130	17,985	17,720	17,580	17,610	17,650	17,715
	60-64	14,155	14,210	14,315	14,475	14,860	15,280	15,635	16,065	16,535	16,965	17,410	17,810	18,005	18,060	17,910
	65-69	10,820	11,535	12,350	13,040	13,585	13,875	13,990	14,100	14,245	14,615	15,030	15,370	15,790	16,270	16,705
	70-74	8,510	8,865	9,200	9,575	9,860	10,290	10,995	11,760	12,410	12,930	13,215	13,350	13,480	13,640	14,010
	75-79	6,080	6,175	6,360	6,685	7,150	7,690	8,070	8,390	8,730	8,945	9,285	9,915	10,630	11,240	11,755
	80-84	4,675	4,770	4,800	4,775	4,775	4,815	4,890	5,030	5,310	5,755	6,285	6,655	6,955	7,250	7,390
85+	3,595	3,735	3,910	4,135	4,355	4,555	4,725	4,835	4,915	5,000	5,110	5,225	5,345	5,575	5,980	
Male Total		248,370	249,690	252,085	254,680	257,380	259,955	262,370	264,815	267,275	269,710	272,080	274,400	276,700	278,990	281,230
Grand Total		503,350	505,480	509,860	514,665	519,730	524,590	529,165	533,885	538,650	543,355	547,955	552,495	557,010	561,500	565,880

Reference as: "Projections produced by Statistics New Zealand according to assumptions specified by the Ministry of Health, 2012 Update"

Table three: Canterbury DHB Population Projections, Historic Series.

Series Update	Census Base	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
2010 Update	2006	510,485	516,580	521,590	526,295	530,980	535,655	540,110	544,385	548,570	552,655	556,710	560,750	564,710	568,570	572,405	576,180					
2011 Update	2006	505,365	504,885	509,670	514,655	519,500	524,095	528,525	532,815	536,925	540,890	544,870	548,890	552,745	556,535	560,310	563,995					
2012 Update	2006	505,630	503,350	505,480	509,860	514,665	519,730	524,590	529,165	533,885	538,650	543,355	547,955	552,495	557,010	561,500	565,880					
2013 Update	2006	505,515	503,120	505,500	509,955	514,680	519,315	523,985	528,560	533,040	537,510	541,950	546,355	550,795	555,190	559,460	563,715					
2014 Update	2013	505,355	499,035	500,720	509,630	520,420	529,905	537,030	542,395	547,115	551,870	556,625	561,415	566,175	570,815	575,415	580,010	584,575	589,070	593,400	597,635	601,825
2015 Update	2013	505,355	499,035	500,720	509,690	520,920	532,790	543,820	552,310	558,570	563,880	569,070	574,130	579,130	584,100	589,110	594,040	598,940	603,940	608,850	613,560	618,300
2016 Update	2013	505,355	499,035	500,720	509,720	521,000	533,300	546,300	558,830	570,240	580,160	588,630	595,460	601,520	607,460	613,360	619,180	624,780	630,510	635,950	641,350	646,580

*2006 Census base projections stop at 2025/26

2013 Census base series begin at 2013/14. Population figures for earlier years for these updates are provided by the Inter Censal population file.